

Proposal Full View

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Applicant Information

Organization Name *

Tax ID **956005172**

Proposal Name NCWD's South Saugus Formation
Groundwater Resources
Monitoring Project *

Proposal Objective The objective of the project is to collect subsurface data to define the horizontal and vertical extent of perchlorate contamination in the Saugus Formation that are threatening NCWD production wells in the eastern subbasin of the Santa Clara Valley. The project will include a permanent, multi-level monitoring well and will provide geologic, hydraulic, and water quality data for an area upgradient of water supply wells that have been impacted by perchlorate. These wells are completed in the Saugus Formation, which is the deeper of two aquifers that are present in the Santa Clarita Valley. Currently, it is unknown whether perchlorate has migrated downgradient of the group of perchlorate-impacted Saugus Formation wells and to what extent, if any, the downgradient wells might be threatened with future contamination. This uncertainty is of heightened concern to the water providers in the valley because of the importance of the Saugus Formation aquifer for providing drought-year firming supplies for urban areas in the Santa Clarita Valley. Consequently, conducting the proposed project to meet the data needs objectives specified above will also address and inform a larger NCWD objective of implementing its groundwater management plan. Another similar LGA grant application is being submitted by CLWA for a deep Saugus Formation monitoring well. The CLWA monitoring well is located in a different part of the aquifer and is intended to support groundwater monitoring efforts that are necessary to protect CLWA production wells. Both the CLWA and NCWD proposed monitoring wells are necessary and essential. *

Budget

Other Contribution	<input type="text" value="\$0.00"/>	
Local Contribution	<input type="text" value="\$378,795.00"/>	
Federal Contribution	<input type="text" value="\$0.00"/>	
Inkind Contribution	<input type="text" value="\$0.00"/>	
Amount Requested	<input type="text" value="\$250,000.00"/>	*
Total Project Cost	<input type="text" value="\$628,795.00"/>	*

Geographic Information

Latitude *

DD(+/-) MM SS

Longitude *

DD(+/-) MM SS Longitude/Latitude
Clarification

Location

Upper
Santa Clara
River
Watershed

County

Los Angeles *

Ground Water Basin

Santa Clara River Valley-Santa Clara River
Valley East

Hydrologic Region

South Coast

Watershed

Upper Santa Clara River

Legislative Information

Assembly District

38th Assembly District *

Senate District

17th Senate District, 19th Senate District *

US Congressional District

District 25 (CA) *

Project Information

Project Name

Implementing Organization	Newhall County Water District
Secondary Implementing Organization	
Proposed Start Date	4/1/2013
Proposed End Date	3/1/2014
Project Scope	The proposed project consists of planning, design, and construction of a deep, multi-level monitoring well.
	The proposed project consists of planning, design, and construction of a deep monitoring well. It includes borehole drilling, multi-level monitoring well installation, and groundwater monitoring at a location downgradient of areas of known perchlorate contamination in the basin's deep aquifer system (the Saugus Formation). The data provided by this project will be incorporated into ongoing technical analyses (including groundwater modeling) that NCWD is currently undertaking to evaluate how best to contain perchlorate and prevent its migration to other water supply wells farther downgradient (to the

Project Description	<p>west). Specific activities to occur are: • Well siting, agency coordination, design of the new monitoring well and selection of a qualified drilling contractor • Drilling and geologic and geophysical logging to identify hydrostratigraphic units at the drilling location; • Installing a permanent, multi-level monitoring well that can be used to monitor for perchlorate presence and/or changes in perchlorate concentrations through time. The information collected from the project will help to understand the horizontal and vertical extent of the groundwater impact by the contamination. This grant will also provide critical funding necessary to meet the goals of NCWD's Groundwater Management Plan.</p>
Project Objective	<p>The primary objective of the project is to determine the horizontal and vertical extent of perchlorate migration in the southeast portion of the Saugus Formation, a major source of drinking water in the Santa Clarita valley. The permanently installed monitoring well will provide geologic, hydraulic, and water quality data for an area downgradient of water supply wells that have been impacted by perchlorate.</p>

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Groundwater Studies	0	Monitoring

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="378795"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="250000"/>
Total Project Cost	<input type="text" value="628795"/>

Geographic Information

Latitude DD(+/-) MM SS
 Longitude DD(+/-) MM SS
 Longitude/Latitude Clarification Location
 County Los Angeles Ground Water Basin Santa Clara River Valley-Santa Clara River Valley East
 Hydrologic Region South Coast WaterShed

Legislative Information

Assembly District	38th Assembly District
Senate District	17th Senate District, 19th Senate District
US Congressional District	District 25 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. Applicant Information

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

Newhall County Water District 23780 North Pine Street Newhall, CA 91321 Phone: (661) 259-3610
 Fax: (661) 259-3574

Q2. Proposal Description:

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

The proposed project consists of planning, design, and construction of a deep monitoring well. It includes borehole drilling, multi-level monitoring well installation, and groundwater monitoring at a location downgradient of areas of known perchlorate contamination in the basin's deep aquifer system (the Saugus Formation). The data provided by this project will be incorporated into ongoing technical analyses (including groundwater modeling) that NCWD is currently undertaking to evaluate how best to contain perchlorate and prevent its migration to other water supply wells farther downgradient (to the west). Specific activities to occur are: - Final well siting, agency coordination, design of the new monitoring well and selection of a qualified drilling contractor; - Drilling and geologic and geophysical logging to identify hydrostratigraphic units at the drilling location; - Installing a permanent, multi-level monitoring well that can be used to monitor for perchlorate presence and/or changes in perchlorate concentrations through time. More than 50% of the municipal water supplied to customers in the Santa Clarita Valley by NCWD and the local retail water purveyors comes from groundwater. A former munitions testing and manufacturing site (the former Whittaker-Bermite site) in the valley has contamination issues, which include perchlorate, volatile organic compounds, and both soil and groundwater contamination. This contamination has impacted drinking water, and

several local water purveyor wells have been shut down due to the groundwater contamination. Numerous monitoring wells have been installed by the federal government (U.S. Army Corps of Engineers) and the responsible party to monitor the migration of the contamination from this site.

However, the horizontal and vertical extent of the groundwater impact is not fully understood. Therefore, NCWD proposes a new, permanent monitoring well to help determine the extent of the contamination within its service area, to assess the impact of contamination on its ability to pump groundwater from its deep Saugus Formation supply wells, and to assess groundwater treatment needs. This grant will help fund this proposed monitoring well and will provide critical funding necessary to meet the goals of NCWD's Groundwater Management Plan (GWMP).

Q3. Project Director:

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Steve Cole, General Manager Newhall County Water District 23780 North Pine Street Newhall, CA 91321 Phone: (661) 259-3610 Fax: (661) 259-3574 scole@ncwd.org

Q4. Project Manager:

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Mike Alvord, Director of Operations Newhall County Water District 23780 Pine Street Newhall, CA 91322 Phone: (661) 259-3610 Fax: (661) 259-9673 malvord@ncwd.org

Q5. Additional Information:

Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:

http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm

- 1) ☐ Northern Region
- 2) ☐ North Central Region
- 3) ☐ South Central Region
- 4) ☒ Southern Region

Q6. Additional Information:

Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.

Newhall County Water District (NCWD) prepared a groundwater management plan (GWMP) in accordance with the provisions of Water Code Section 10753.7, which was originally enacted by AB 3030, for its retail service area. The GWMP was drafted and adopted May 2, 1996. The Castaic Lake Water Agency (CLWA), the local wholesale water provider, also prepared a groundwater management plan in accordance with the provisions of Water Code Section 10753.7, which was originally enacted by AB 3030, for its wholesale service area, which covers the NCWD retail service area. The CLWA

GWMP was adopted by NWCD on January 24, 2005 as part of the revised Urban Water Management Plan via Resolution 2005-9.

Q7. Additional Information:

Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).

1. Memorandum of Understanding Between Castaic Lake Water Agency, Santa Clarita Water Division of the Castaic Lake Water Agency, Los Angeles Waterworks District No. 36, Newhall County Water District and Valencia Water Company to establish a voluntary cooperative groundwater monitoring association (October 27, 2011)
2. Castaic Lake Water Agency Groundwater Management Plan Santa Clara River Valley Groundwater Basin East Subbasin (Luhdorff & Scalmanini, 2003)
3. 2001 Memorandum of Understanding Between the Santa Clara River Valley Upper Basin Water Purveyors and United Water Conservation District
4. 2009 Groundwater Supplies and Basin Yield Report prepared for the Santa Clarita Valley Municipal Water Purveyors (Luhdorff & Scalmanini, GSI, Inc. 2009)
5. 2010 Santa Clara Valley Urban Water Management Plan (Kennedy/Jenks, et, al., 2011)

Q8. Additional Information

Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".

No Other Contributions

Q9. Eligibility:

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

NCWD is the Applicant and also the Urban Water Supplier that will receive funding from this Planning Grant. As such, Self-Certification forms for documenting compliance with CWC §525 for Water Meter Installation and AB 1420 for Best Management Practice implementation are provided (see Attachment 10 of this Application).

Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

A regional urban water management plan was completed for all retail agencies in the Castaic Lake Water Agency wholesale area including Newhall County Water District, and submitted to DWR on July 21, 2011. DWR reviewed the regional urban water management plan and found that it addresses the requirements of the California Water Code via a letter date January 24, 2012.

Q11. Completeness Check:

Have all of the fields in the application been completed?

Yes

Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

NA

Section : Application Attachments Tab**APPLICATION ATTACHMENTS TAB****Attachment 1. Authorizing Documentation**

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att1_LGA12_NCWD_AuthDoc_1of2.pdf,!
Att1_LGA12_NCWD_AuthDoc_2of2.pdf

Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att2_LGA12_NCWD_EligDoc_1of1.pdf

Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att3_LGA12_NCWD_GWMP_1of3.pdf,!
Att3_LGA12_NCWD_GWMP_2of3.pdf,!Att3_LGA12_NCWD_GWMP_3of3.pdf

Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att4_LGA12_NCWD_ProjD_1of4.pdf,!
Att4_LGA12_NCWD_ProjD_2of4.pdf,!Att4_LGA12_NCWD_ProjD_3of4.pdf,!
Att4_LGA12_NCWD_ProjD_4of4.pdf

Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att5_LGA12_NCWD_WrkPln_1of1.pdf

Attachment 6. Budget

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att6_LGA12_NCWD_BUDGET_1of3.pdf,!Att6_LGA12_NCWD_BUDGET_2of3.pdf,!Att6_LGA12_NCWD_BUDGET_3of3.pdf

Attachment 7. Schedule

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att7_LGA12_NCWD_SCHED_1of1.pdf

Attachment 8. Quality Assurance

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att8_LGA12_NCWD_QA_1of1.pdf

Attachemnt 9. Past Performance

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att9_LGA12_NCWD_PERFORM_1of1.pdf

Attachment 10. AB1420 and Water Meter Implementation Compliance

Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: !Att10_LGA12_NCWD_1420_1of3.pdf,!Att10_LGA12_NCWD_1420_2of3.pdf,!Att10_LGA12_NCWD_1420_3of3.pdf
